

# JAPROZ SINGH SAINI

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## EDUCATION

**Georgia State University**  
B.S. in Computer Science

Expected Graduation – Dec 2026

- **Cummulative GPA** – 3.6
- Rocketry Club – Founding member · ATL Sikhs – Executive · Computer Science Club
- **Relevant Coursework** – Computer Organization , Systems Level Programming , Programming Language Concepts, Calculus of II Variables, Discrete Mathematics, Linear Algebra, Probaility & Statistics

## EXPERIENCE

**Georgia State University**  
Event Operations Technician

Jan 2024 – Present  
Atlanta, GA

- Setup and monitor events for conferences, student organisations, and external clients
- Monitors all activities, reservations, and programs during the designated hours of operation and enforces all building policies and safety regulations.
- Makes appropriate decisions regarding behavior and actions, recognizes, and accepts responsibility for their actions, manages time effectively, acts in a dependable manner, and fulfills job requirements completely.

**Georgia State Production Network**  
Engineering Assistant

Sep 2023 – Jan 2024  
Atlanta, GA

- Helped produce college football and basketball game shows for ESPN & performed camera work and graphics work
- Setup and make sure that equipment like cameras, hardware and networks work as intended
- Did the networking and cable management for music concerts

## PROJECTS

**Java Class Parser**

Jun 2023 — C · Bash · Java

- A fully spec-compliant parser for the Java Class file format
- Went through the entire Class file format spec and modelled the parser based on that

**Fast Key-Value Store**

Feb 2020 — C · Python

- A minimalistic key-value store written in C aimed at speed.
- Vettel performs better than existing key-value stores like Redis **in some cases**.

**WYSIWIG Note Editor**

Dec 2021 — TypeScript · NextJS

- A simple yet powerful note-editor with modern features like WYSIWIG editor, complex document nesting, and dark mode.
- Got features on the home page on ProductHunt with 24 hours of its launch

## SKILLS, LANGUAGES, INTERESTS

- **Languages:** English, Hindi/Urdu, Punjabi, Spanish (A2)
- **Programming:** C, Typescript, Python, C++, Bash
- **Interests:** Systems Engineering, CTFs, Sports, Engines, Artificial Intelligence

## HONORS & AWARDS

**1st place at Truist CTF**

Atlanta, GA  
Nov 2024

Issued by *Truist Bank & Georgia State University*

- Capture the Flag event organised by Truist Bank where my team came first and won a cash reward of \$2000+

**1st place at CodeDay Delhi**

New Delhi, IN  
Nov 2022

Issued by *CodeDay*

- Took part in my first hackathon which consisted of around 200 high school students from all over India and won 1st place.

## OPEN SOURCE CONTRIBUTIONS

**Fprime**

Jan 2024 — C++

JPL's flight software embedded framework

**JSD**

Sep 2023 — C

NASA JPL SOEM device drivers

**Fig Autocomplete**

Aug 2021 — Typescript

IDE like autocomplete for terminals